

(19) World Intellectual Property  
Organization  
International Bureau



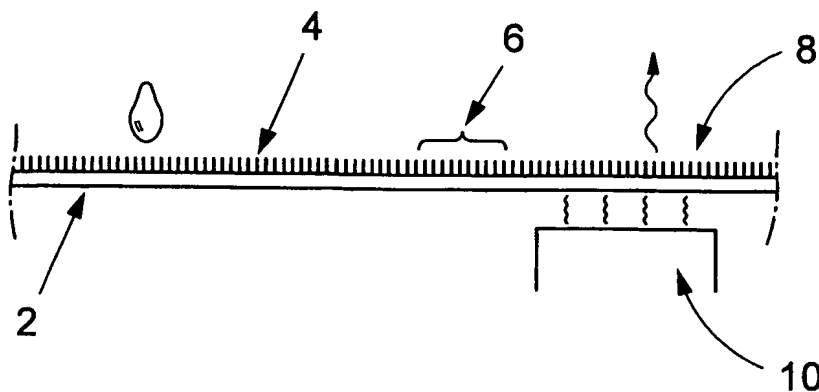
(43) International Publication Date  
15 December 2005 (15.12.2005)

PCT

(10) International Publication Number  
**WO 2005/118139 A1**

- (51) International Patent Classification<sup>7</sup>: **B01L 3/00**, G01N 33/48
- (21) International Application Number:  
PCT/SE2005/000787
- (22) International Filing Date: 26 May 2005 (26.05.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0401424-7 2 June 2004 (02.06.2004) SE
- (71) Applicant (for all designated States except US): **ÅMIC AB** [SE/SE]; Uppsala Science Park, S-751 83 Uppsala (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ÖHMAN, Per, Ove** [SE/SE]; Asplunda, Uppsala-Näs, S-755 91 Uppsala (SE). **MENDEL-HARTVIG, Ib** [SE/SE]; Rabeniusvägen 28, S-756 55 Uppsala (SE).
- (74) Agent: **BERGENSTRÅHLE & LINDVALL AB**; P.O. Box 17704, S-118 93 Stockholm (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONTROLLED FLOW ASSAY DEVICE AND METHOD



(57) Abstract: A device for handling liquid samples, comprising a flow path with at least one zone for receiving the sample, and a transport or incubation zone, said zones connected by or comprising an area having projections substantially vertical to its surface, said device provided with a sink with a capacity of receiving said liquid sample, said sink comprising an area having projections substantially vertical to its surface, and said sink being adapted to respond to an external influence regulating its capacity to receive said liquid sample.